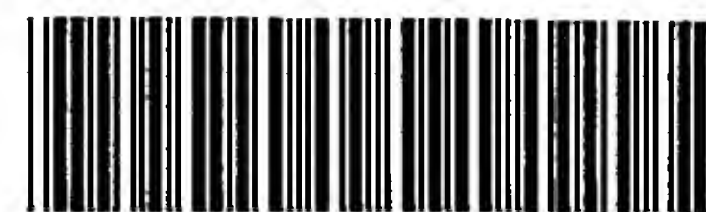


# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/594,695  
Source: IFWP  
Date Processed by STIC: 10/10/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,695

TIME: 15:06:56

Input Set : A:\Sequence Listing (diskette).txt

Output Set: N:\CRF4\10102006\J594695.raw

3 <110> APPLICANT: AKIYAMA, Tooru  
 4 ISHIDAO, Takefumi  
 5 AIBA, Tomoo  
 7 <120> TITLE OF INVENTION: sFRP expression enhancing agent  
 9 <130> FILE REFERENCE: 3190-101  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/594,695  
 12 <141> CURRENT FILING DATE: 2006-09-28  
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP2005/006163  
 15 <151> PRIOR FILING DATE: 2005-03-30  
 17 <150> PRIOR APPLICATION NUMBER: JP P2004-106315  
 18 <151> PRIOR FILING DATE: 2004-03-31  
 20 <160> NUMBER OF SEQ ID NOS: 10  
 22 <170> SOFTWARE: PatentIn version 3.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 2980  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Homo sapiens  
 29 <220> FEATURE:  
 30 <221> NAME/KEY: misc\_feature  
 31 <223> OTHER INFORMATION: human Dlg(discs large) gene  
 34 <400> SEQUENCE: 1  
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 45 ttaacatatt tcagagcaac ctctttcagg ctttaataga tattcaagaa ttttatgaag 360  
 47 tgaccttact ggataatcca aaatgtatag atcgttcaaa gccgtctgaa ccaattcaac 420  
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 51 caagcagcct tagccctagt gtagagaaat acaggtatca ggatgaagat acacctcctc 540  
 53 aagagcatat ttccccacaa atcacaaatg aagtgatagg tccagaattg gttcatgtct 600  
 55 cagagaagaa cttatcagag attgagaatg tccatggatt tgtttctcat tctcatattt 660  
 57 caccaataaa gccaacagaa gctgttcttc cctctcctcc cactgtccct gtgatccctg 720  
 59 tcctgccagt ccctgctgag aatactgtca tcctaccacac cataccacag gcaaatacctc 780  
 61 cccagtagtact ggtcaacaca gatagcttgg aaacaccaac ttacgttaat ggcacagatg 840  
 63 cagattatga atatgaagaa atcacacttg aaaggggaaa ttcagggtt ggtttcagca 900  
 65 ttgcaggagg tacggacaac ccacacattg gagatgactc aagtattttc attaccaaaa 960  
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 71 aagcagggtc tattgtacgc ttgtatgtaa aaagaaggaa accagtgtca gaaaaataa 1140  
 73 tggaaataaa gctcattaaa ggtcctaaag gtcttgggtt tagcattgct ggaggtgttg 1200  
 75 gaaatcagca tattcctggg gataatagca tctatgtaac caaaataatt gaaggaggtg 1260  
 77 cagcacataa ggatggcaaa cttcagattg gagataaact tttagcagtg aataacgtat 1320

## RAW SEQUENCE LISTING

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,695

TIME: 15:06:56

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83 atatcaccaa ctcttcttct cagcctgttg ataaccatgt tagcccatct tccttcttgg 1500
85 gccagacacc agcatctcca gccagatact cccagtttc taaagcagta cttggagatg 1560
87 atgaaattac aagggaaacct agaaaagttg ttcttcacgc tggctcaacg ggccttggtt 1620
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101 gtgggcttcc cagtcaggga ctgaacttca aatttgagga taccctccat gttattaatg 2040
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127 tgaaactgga acaggagttt actgaacatt tcacagctat tgtacagggg gatacgctgg 2820
129 aagacattta caaccaagtg aaacagatca tagaagaaca atctgggttct tacatctggg 2880
131 ttccggcaaa agaaaagcta tgaaaactca tgtttctctg tttctctttt ccacaattcc 2940
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136 &lt;210&gt; SEQ ID NO: 2

137 &lt;211&gt; LENGTH: 904

138 &lt;212&gt; TYPE: PRT

139 &lt;213&gt; ORGANISM: Homo sapiens

141 &lt;220&gt; FEATURE:

142 &lt;221&gt; NAME/KEY: misc\_feature

143 &lt;223&gt; OTHER INFORMATION: human Dlg(discs large)

146 &lt;400&gt; SEQUENCE: 2

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156 Ser Ile Glu Arg Val Ile Asn Ile Phe Gln Ser Asn Leu Phe Gln Ala
157          35          40          45
160 Leu Ile Asp Ile Gln Glu Phe Tyr Glu Val Thr Leu Leu Asp Asn Pro
161          50          55          60
164 Lys Cys Ile Asp Arg Ser Lys Pro Ser Glu Pro Ile Gln Pro Val Asn
165 65          70          75          80
168 Thr Trp Glu Ile Ser Ser Leu Pro Ser Ser Thr Val Thr Ser Glu Thr
169          85          90          95
172 Leu Pro Ser Ser Leu Ser Pro Ser Val Glu Lys Tyr Arg Tyr Gln Asp

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## RAW SEQUENCE LISTING

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,695

TIME: 15:06:56

Input Set : A:\Sequence Listing (diskette).txt

Output Set: N:\CRF4\10102006\J594695.raw

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177				115				120					125				
180	Val	Ile	Gly	Pro	Glu	Leu	Val	His	Val	Ser	Glu	Lys	Asn	Leu	Ser	Glu	
181			130					135				140					
184	Ile	Glu	Asn	Val	His	Gly	Phe	Val	Ser	His	Ser	His	Ile	Ser	Pro	Ile	
185	145					150					155					160	
188	Lys	Pro	Thr	Glu	Ala	Val	Leu	Pro	Ser	Pro	Pro	Thr	Val	Pro	Val	Ile	
189				165					170					175			
192	Pro	Val	Leu	Pro	Val	Pro	Ala	Glu	Asn	Thr	Val	Ile	Leu	Pro	Thr	Ile	
193				180					185					190			
196	Pro	Gln	Ala	Asn	Pro	Pro	Pro	Val	Leu	Val	Asn	Thr	Asp	Ser	Leu	Glu	
197			195					200				205					
200	Thr	Pro	Thr	Tyr	Val	Asn	Gly	Thr	Asp	Ala	Asp	Tyr	Glu	Tyr	Glu	Glu	
201		210					215					220					
204	Ile	Thr	Leu	Glu	Arg	Gly	Asn	Ser	Gly	Leu	Gly	Phe	Ser	Ile	Ala	Gly	
205	225					230				235						240	
208	Gly	Thr	Asp	Asn	Pro	His	Ile	Gly	Asp	Asp	Ser	Ser	Ile	Phe	Ile	Thr	
209				245					250					255			
212	Lys	Ile	Ile	Thr	Gly	Gly	Ala	Ala	Ala	Gln	Asp	Gly	Arg	Leu	Arg	Val	
213				260					265					270			
216	Asn	Asp	Cys	Ile	Leu	Gln	Val	Asn	Glu	Val	Asp	Val	Arg	Asp	Val	Thr	
217			275					280					285				
220	His	Ser	Lys	Ala	Val	Glu	Ala	Leu	Lys	Glu	Ala	Gly	Ser	Ile	Val	Arg	
221		290					295					300					
224	Leu	Tyr	Val	Lys	Arg	Arg	Lys	Pro	Val	Ser	Glu	Lys	Ile	Met	Glu	Ile	
225	305					310					315					320	
228	Lys	Leu	Ile	Lys	Gly	Pro	Lys	Gly	Leu	Gly	Phe	Ser	Ile	Ala	Gly	Gly	
229				325						330					335		
232	Val	Gly	Asn	Gln	His	Ile	Pro	Gly	Asp	Asn	Ser	Ile	Tyr	Val	Thr	Lys	
233				340					345					350			
236	Ile	Ile	Glu	Gly	Gly	Ala	Ala	His	Lys	Asp	Gly	Lys	Leu	Gln	Ile	Gly	
237			355				360						365				
240	Asp	Lys	Leu	Leu	Ala	Val	Asn	Asn	Val	Cys	Leu	Glu	Glu	Val	Thr	His	
241		370					375					380					
244	Glu	Glu	Ala	Val	Thr	Ala	Leu	Lys	Asn	Thr	Ser	Asp	Phe	Val	Tyr	Leu	
245	385					390					395					400	
248	Lys	Val	Ala	Lys	Pro	Thr	Ser	Met	Tyr	Met	Asn	Asp	Gly	Tyr	Ala	Pro	
249				405					410					415			
252	Pro	Asp	Ile	Thr	Asn	Ser	Ser	Ser	Gln	Pro	Val	Asp	Asn	His	Val	Ser	
253				420					425					430			
256	Pro	Ser	Ser	Phe	Leu	Gly	Gln	Thr	Pro	Ala	Ser	Pro	Ala	Arg	Tyr	Ser	
257			435				440					445					
260	Pro	Val	Ser	Lys	Ala	Val	Leu	Gly	Asp	Asp	Glu	Ile	Thr	Arg	Glu	Pro	
261		450					455					460					
264	Arg	Lys	Val	Val	Leu	His	Arg	Gly	Ser	Thr	Gly	Leu	Gly	Phe	Asn	Ile	
265	465					470					475					480	
268	Val	Gly	Gly	Glu	Asp	Gly	Glu	Gly	Ile	Phe	Ile	Ser	Phe	Ile	Leu	Ala	
269				485					490						495		

## RAW SEQUENCE LISTING

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,695

TIME: 15:06:56

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Output Set: N:\CRF4\10102006\J594695.raw

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276	Ile	Ser	Val	Asn	Ser	Val	Asp	Leu	Arg	Ala	Ala	Ser	His	Glu	Gln	Ala
277			515					520					525			
280	Ala	Ala	Ala	Leu	Lys	Asn	Ala	Gly	Gln	Ala	Val	Thr	Ile	Val	Ala	Gln
281		530					535					540				
284	Tyr	Arg	Pro	Glu	Glu	Tyr	Ser	Arg	Phe	Glu	Ala	Lys	Ile	His	Asp	Leu
285	545					550					555					560
288	Arg	Glu	Gln	Met	Met	Asn	Ser	Ser	Ile	Ser	Ser	Gly	Ser	Gly	Ser	Leu
289				565						570					575	
292	Arg	Thr	Ser	Gln	Lys	Arg	Ser	Leu	Tyr	Val	Arg	Ala	Leu	Phe	Asp	Tyr
293				580					585					590		
296	Asp	Lys	Thr	Lys	Asp	Ser	Gly	Leu	Pro	Ser	Gln	Gly	Leu	Asn	Phe	Lys
297			595					600					605			
300	Phe	Gly	Asp	Ile	Leu	His	Val	Ile	Asn	Ala	Ser	Asp	Asp	Glu	Trp	Trp
301		610					615					620				
304	Gln	Ala	Arg	Gln	Val	Thr	Pro	Asp	Gly	Glu	Ser	Asp	Glu	Val	Gly	Val
305	625					630					635					640
308	Ile	Pro	Ser	Lys	Arg	Arg	Val	Glu	Lys	Lys	Glu	Arg	Ala	Arg	Leu	Lys
309				645						650					655	
312	Thr	Val	Lys	Phe	Asn	Ser	Lys	Thr	Arg	Asp	Lys	Gly	Glu	Ile	Pro	Asp
313				660					665					670		
316	Asp	Met	Gly	Ser	Lys	Gly	Leu	Lys	His	Val	Thr	Ser	Asn	Ala	Ser	Asp
317			675				680						685			
320	Ser	Glu	Ser	Ser	Tyr	Arg	Gly	Gln	Glu	Glu	Tyr	Val	Leu	Ser	Tyr	Glu
321		690					695					700				
324	Pro	Val	Asn	Gln	Gln	Glu	Val	Asn	Tyr	Thr	Arg	Pro	Val	Ile	Ile	Leu
325	705					710					715					720
328	Gly	Pro	Met	Lys	Asp	Arg	Ile	Asn	Asp	Asp	Leu	Ile	Ser	Glu	Phe	Pro
329				725						730					735	
332	Asp	Lys	Phe	Gly	Ser	Cys	Val	Pro	His	Thr	Thr	Arg	Pro	Lys	Arg	Asp
333				740					745					750		
336	Tyr	Glu	Val	Asp	Gly	Arg	Asp	Tyr	His	Phe	Val	Thr	Ser	Arg	Glu	Gln
337			755					760						765		
340	Met	Glu	Lys	Asp	Ile	Gln	Glu	His	Lys	Phe	Ile	Glu	Ala	Gly	Gln	Tyr
341		770					775						780			
344	Asn	Asn	His	Leu	Tyr	Gly	Thr	Ser	Val	Gln	Ser	Val	Arg	Glu	Val	Ala
345	785					790					795					800
348	Gly	Lys	Gly	Lys	His	Cys	Ile	Leu	Asp	Val	Ser	Gly	Asn	Ala	Ile	Lys
349				805						810					815	
352	Arg	Leu	Gln	Ile	Ala	Gln	Leu	Tyr	Pro	Ile	Ser	Ile	Phe	Ile	Lys	Pro
353				820					825					830		
356	Lys	Ser	Met	Glu	Asn	Ile	Met	Glu	Met	Asn	Lys	Arg	Leu	Thr	Glu	Glu
357			835					840					845			
360	Gln	Ala	Arg	Lys	Thr	Phe	Glu	Arg	Ala	Met	Lys	Leu	Glu	Gln	Glu	Phe
361		850					855						860			
364	Thr	Glu	His	Phe	Thr	Ala	Ile	Val	Gln	Gly	Asp	Thr	Leu	Glu	Asp	Ile
365	865					870				875						880
368	Tyr	Asn	Gln	Val	Lys	Gln	Ile	Ile	Glu	Glu	Gln	Ser	Gly	Ser	Tyr	Ile

## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/594,695

TIME: 15:06:57

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Output Set: N:\CRF4\10102006\J594695.raw

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377 <211> LENGTH: 3150
378 <212> TYPE: DNA
379 <213> ORGANISM: Mus musculus
381 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
383 <223> OTHER INFORMATION: murine Dlg(discs large) gene
386 <400> SEQUENCE: 3
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393 tgaccttact tgataatcca aaatgtgtgg atcattcaaa gcagtgtgaa ccagttcagc      240
395 ctgtgactac ttgggagatt gccagccttc caagcactgc cgtgacgtca gaaaccctgc      300
397 ccggcagcct tagccctcca gtagagaaat accggtatca ggatgaagag gtacttcctc      360
399 ctgagcatat ttctccacaa gtcacaaatg aggtgctagg tccagaactg gtccatgtct      420
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413 ttatcacagg cggacgggct gcccaggatg gaagattgcg ggtaaatgac tgtgtactga      840
415 gagtaaataga agcagacggt cgtgatgtaa cccacagcaa agcagtggag gcattaaaag      900
417 aagctggatc tattgtgcca ttgtatgtga aaaggcggaa gctagcatca gaaaaaatca      960
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423 cagcacacaa ggatggcaag cttcagattg gagataagct tctagcagtg aacagtgtgt      1140
425 gtttagaaga agttactcat gaagaagcag tgactgcctt aaagaataca tctgattttg      1200
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435 ttaacattgt ggcagggtgaa gatggagaag ggatttttat ctcttcatc cttgctggcg      1500
437 gacctgtga tctaagtgga gagctcagaa aaggagatcg catcatatcg gtgaacagtg      1560
439 ttgacctcag agctgcaagt cacgaacaag cagcagctgc actaaagaac gcaggccaag      1620
441 ccgtcaccat cgttgcgcaa tatcgacctg aagagtcacg tcgttttgaa gctaaaatcc      1680
443 atgacttacg ggagcagatg atgaatagca gagtcagttc agggtcaggg tctcctcgaa      1740
445 ccagccagaa gcgctccctc tatgtcagag ccctctttga ttatgacaag actaaggaca      1800
447 gcgggcttcc cagtcaagga ctgaacttcc gctttggaga catcctccat gtcacatg      1860
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453 tcaaattcaa ttctaaaaca agaggagata aagggcagtc attcaatgac aagcgtaaaa      2040
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457 cgagtgatgc tgaccagcac gtaacttcta atgccagcga tagtgaaagt agttaccgtg      2160
459 gtcaagaaga atgtgtttta tcttatgagc cagtgaatca acaagaagtt aattataccc      2220
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 10/10/2006  
PATENT APPLICATION:    US/10/594,695      TIME: 15:06:58

Input Set : A:\Sequence Listing (diskette).txt  
Output Set: N:\CRF4\10102006\J594695.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9

VERIFICATION SUMMARY

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,695

TIME: 15:06:58

Input Set : A:\Sequence Listing (diskette).txt

Output Set: N:\CRF4\10102006\J594695.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number